

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi GOTOH, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: ELECTRONIC DEVICE, METHOD OF MANUFACTURE OF THE SAME, AND SPUTTERING TARGET

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AA (US 6,218,206 B1) on Form PTO-1449:

This reference is mentioned in the specification.

Reference AB (US 6,252,247 B1) on Form PTO-1449:

This reference is mentioned in the specification.

Reference AO (11-337976) on Form PTO-1449:

PROBLEM TO BE SOLVED: To obtain an array substrate for a display device equipped with pixel electrodes which can be directly connected to aluminum wirings without a barrier metal by forming a connecting wiring part essentially comprising aluminum to electrically connect a pixel electrode and a switching element.

SOLUTION: A pixel electrode 13 containing at least indium, zinc and oxygen is arranged in the pixel region on a gate insulating film 9. The drain electrode 17 of a thin film transistor 6 consisting of a layered film of aluminum and molybdenum functions as a connecting electrode to be electrically connected to the pixel electrode 13. Namely, the pixel electrode 13 of an IZO film is directly connected to the aluminum wiring which forms the connecting electrode and drain electrode 17. Thus, even when zinc is directly connected to aluminum, zinc is hardly reduced by aluminum. Therefore, large increase in the contact resistance is prevented.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 246602US2		SERIAL NO. NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hiroshi GOTOH, et al.			
				FILING DATE HEREWITH		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,218,206 B1	04/17/01	Kazunori INOUE, et al.			
	AB	6,252,247 B1	06/26/01	Kazuyuki SAKATA, et al.			
	AC						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	11-337976	12/10/99	Japan			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							